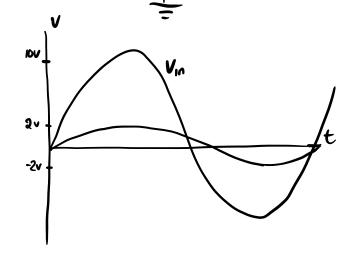


$$V_{out} = V_{in} \frac{R_2}{R_1 + R_2}$$

$$V_{out} = \frac{V_{in}}{5}$$



PorAp

$$V_{th} = 2v$$

$$R_{th} = \frac{R_1 R_2}{R_1 t R_2} = 410$$

Vout = 
$$\frac{R_L(v_{in})}{R_L + R_{tn}} = \frac{1k(2v)}{1k + 4k} = \frac{1k(2v)}{5k}$$
  
Vout =  $\frac{2}{5}v$ 

$$dB = 10 \log \frac{P_2/P_1}{A_1^2}$$